HW#41: Transversal & Parallel Lines

Due Date: Wednesday, Oct. 21st, 2014

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

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| **Transversal & Parallel Lines** | |
| 1) What is the angle relationship you will use to solve for *w* below? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    b) Solve for *x*:  c) What is the measure of the given angles? \_\_\_\_\_\_\_ | 2a) What is the angle relationship you will use to solve for *x* below? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_    b) Solve for *x*:  c) What is the measure of the given angles? \_\_\_\_\_\_\_ |
| 3) In the figure below, lines *l* and *m* are parallel and they are intersected by line *t*. What is the relationships between and ?  ANd9GcTQuaRBCavJk3iRH-n9IVCWQpgPor2k3BJ1bWUC9lV8KfcNi29V0HpmZ5jQ  a)  b)  c)  d) | 4a) What is the angle relationship you will use to solve for *x* below? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **What’s Your Angle Review** | |
| 5) Name all angles that have *V* as a vertex. | 6) What is the angle pair relationship you will use to solve for *x*?    b) Solve for *x*! |
| 7) | 8) Name *all* obtuse angles in the given figure: |
| 9) Write the equation of the line | 10) Write the equation of the line |
| 11) Write the equation of the line through the given point with the given slope: | 12) Write the equation of the line through the given point with the given slope: |
| 13) Solve the equation: | 14) Solve the equation: |
| 15) Solve the inequality and graph the solutions: | 16) Solve the inequality and graph the solutions: |